

13000 GeV pp

 $t\bar{t}$

Dijet mass (ATLAS for leptoquark search)

- ATLAS
- ▲ Pythia 8.170 default
- - □ Pythia 8.170 tune-4cx

 $d\sigma/dm_{jj}$ [pb/rad] 10^{-3} 10^{-4} 10^{-5} Rivet 3.1.10, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1718132

Ratio to ATLAS

2

1

0.5

2

1

0.5

 m_{jj} [GeV]

0

1000

2000

3000

4000